



EUROLASTIC LM 100

1-component, MS hybrid polymer-based sealant for building joints

Product description **EUROLASTIC LM 100** is a universal resilient 1-component MS sealant with strong adhesion characteristics for building joints.

Area of application

- for indoor and outdoor areas on smooth and porous substrates
- joints in buildings
- connection joints on metal, various plastics, concrete, etc.
- sealing of joints in tinsmithing work
- for exterior wall and cladding joints
- suitable as adhesive for EUROTEK TK building construction joint tape

Product characteristics

- highly adhesive and resilient
- outstanding durability, suitable for vertical surfaces and ceilings
- weatherproof and moisture-curing
- silicone-free, neutrally cross-linking, odourless
- low in emissions
- not suitable for natural stonework
- good chemical resistance to water, aliphatic solvents, oils, greases, dilute inorganic acids and alkalis
- paintable, in view the variety of enamels and coatings on the market, we recommend preliminary tests
- delayed drying may occur with alkyd resin paints

Colours grey, white

Substrate preparation For perfect results , the joints must be sized correctly and the bonding surfaces pre-treated.
When applying the sealant, the bonding surfaces must be clean, free of oil and grease, dry and free of substances that could prevent adhesion.



Masonry, concrete and brick substrates must be prepared by grinding, sandblasting or wire brushing. Spalling, rust and all coatings on metal must be removed. Then thoroughly remove the dust.

Backing	The joint space must be tightly and firmly backed with round, closed-cell polyethylene cord. The cord must not be damaged during sealant application.
Primer	Effective adhesion can also be achieved with many clean material surfaces, even without primer. However, the effect of high temperature or exposure to moisture on the cured EUROLASTIC LM 100 should always be tested. In this case, and for porous and challenging surfaces, we recommend use of the following primers: Absorbent substrates: EUROLASTIC Primer B1 Non-absorbent substrates: EUROLASTIC Primer S2
Processing conditions	Material temperature: min. +10°C, max. +30°C Substrate temperature between +5°C and +40°C. Ambient temperature between +5°C and +40°C. The dew point must be taken into account!
Handling	Apply the joint sealant without bubbles or voids using a suitable hand-held caulking gun, ensuring full surface contact with the joint flank. The joint surface is then skimmed and smoothed with a suitable smoothing tool or putty knife. Compatibility must be tested when using smoothing agents.
Cleaning	Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.



Consumption

Joint width in mm	Joint depth in mm	Consumption in ml/m
10	10	approx. 100
15	12 - 15	approx. 180 - 225
20	16 - 20	approx. 320 - 400
25	20 - 25	approx. 500 - 625
30	24 - 30	approx. 720 - 900
35	28 - 35	approx. 980 - 1,225
40	32 - 40	approx. 1,280 - 1,600

Consumption as adhesive for EUROTEK TK joint tape:

The adhesive consumption in ml per running metre can be obtained by multiplying the joint tape width by the factor 2.

Packaging

EUROLASTIC LM 100 is delivered in 600 ml tubular bags. (12 units per carton)

Storage and shelf life

Store in a cool, dry place (+10°C to +25°C).
Under these conditions, the shelf life of unopened and undamaged original containers is 12 months.

Tests/

Approvals/Standards

- EMI CODE EC1R
- ISO 11600 F20 LM

Special instructions/protective measures

EUROLASTIC LM 100 waste and containers must be disposed of in a safe manner. Avoid release into the environment. Completely empty containers can be returned to the KBS/Interseroh recycling system. The instructions in the corresponding safety data sheet must be strictly observed.



Technical data*		
Technical properties	Unit	Value
Material basis		MS hybrid-polymer
Number of components		1-component
Density	g/cm ³	1.51 :+/-0.03
Volume change	%	< 3
Consistency		non-sag
Processing time at +23°C/50% relative	h	2 - 24
Curing time at +23°C/50% relative	h	24 - 48
Skin formation time	min	approx. 10
Smoothing time at 23°C/50% relative	min	approx. 15
Object and processing temperature	°C	from +5 to +40
Temperature resistance	°C	from -40 to +90

Mechanical properties	Unit	Value
Shore A hardness at 23°C		24 +/- 2
Modulus at 100% elongation / 23°C	N/mm ²	< 0.5
Tensile strength at 23°C/50% relative	N/mm ²	approx. 0.8
Recovery capability	%	> 60
Approved total deformation	%	25

*These are approximate values. The values are not intended for the preparation of specifications.

The data was determined at +23°C and 50% relative humidity. These times may be longer or shorter at higher temperatures and/or relative humidities. All technical data, measurements and information in this data sheet are based on laboratory tests. Actual measured data may deviate in practice.

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